

CLAIMS

1. A deformable container with an antifreeze gel comprising
 - Water
 - Antifreeze agent
 - Gel forming agent
 - Catalyst
 - Cross-linked polymer gel
 - Container
2. The antifreeze agent of claim 1 and including at least one sweetener.
3. The antifreeze agent of claim 2 wherein said sweetener comprises the sugar alcohols consisting of erythritol, hydrogenated starch hydrolysates, isomelt, lactitol, maltitol, mannitol, sorbitol, and xylitol.
4. The antifreeze agent of claim 2 wherein said sweetener comprises corn syrup consisting of four types D.E. grade. The type I is from 20 to 38 D.E., type II is from 38 to 58 D.E., type III is from 58 to 73 D.E., and type IV is from 73 D.E. and above.
5. The antifreeze agent of claim 2 wherein said sweetener comprises dextrose that D.E values is 100.
6. The antifreeze agent of claim 2 wherein said sweetener comprises between from about 20 to about 80 % by weight of gel.
7. The gel forming agent of claim 1 and including gums, said gums comprising agar, alginates, carageenan, cellulose gums, curdlan, chitosan, furcellaran, gelatin, gellan gum, guar gum, gum arabic, gum karaya, gum ghatti, gum tragacanth, konjac, pectin, pullulan, tara gum, locust bean gum, xanthan gum and mixtures thereof.
8. The gel forming agent of claim 7 wherein the gums preferably include from about 0.05 to about 3.0 percent by weight of gel.
9. The composition of claim 1 further comprises one or more catalysts.

10. The composition of claim 9 wherein the catalyst comprise from about 0.05 to about 2.0 percent by weight of gel.
11. The composition of claim 10 wherein the catalyst is selected from the group consisting of alkali metal salts and alkaline earth metal salts.
12. The composition of claim 11, wherein said the catalyst comprises potassium chloride.
13. The composition of claim 1 wherein the cross-linked polymer gel was made by reaction between seaweed extracts and alkaline earth salt.
14. The composition of claim 13 wherein said seaweed extracts comprise sodium alginate, propylene glycol alginate.
15. The composition of claim 13 wherein said seaweed extracts comprise sodium alginate.
16. The composition of claim 13 wherein said the alkaline earth salt is selected from the group consisting of calcium chloride, magnesium chloride.
17. The composition of claim 13 wherein said the alkaline earth salt comprise calcium chloride.
18. The composition of claim 1 wherein further comprises buffer agents.
19. The composition of claim 18 wherein buffer agents are selected from the group consisting of potassium phosphate, potassium citrate, sodium citrate, and citric acid.
20. The composition of claim 1 wherein further comprising a colorant
21. The composition of claim 1 wherein further comprising preservatives.
22. The composition of claim 21 wherein the preservative is sodium benzoate.
23. The container composition of claim 1 wherein said the mixture between thermoplastic rubber with mineral oil.
24. The container composition of claim 1 wherein said the hardness is below 30 A.
25. The container composition of claim 1 wherein said the elongation is larger than 1100 %.
26. A deformable container, comprising a transparent gel and varied shapes of cross-linked polymer gel are suspended inside of antifreeze gel.

27. The cross-linked polymer gel composition of claim 24 wherein further comprising a colorant.
28. The cross-linked polymer gel composition of claim 24 wherein further comprising glow in the dark pigment.
29. The cross-linked polymer gel composition of claim 24 wherein further comprising a material that provides an effect selected from the group consisting of fluorescence, pearlescence, metallic appearance, glitters, and sparkle.
30. A container according to claim 1 that the substrate can be printed with multi-color images by either screen printed or pad printing machine.
31. A transparent antifreeze gel, comprising
 - about 20 – 80 by weight of antifreeze agent
 - about 0.05 - 3.0 by weight of gel-forming agent
 - about 40 – 60 by weight of water
 - about 0.05 – 2.0 by weight of catalyst
 - about 0.5 – 2.0 by weight of coloring agent
32. A transparent antifreeze gel, comprising
 - about 40 - 60 by weight of sorbitol
 - about 0.8 – 1.5 by weight of carrageenan gum
 - about 40 – 60 by weight of water
 - about 0.1 – 1.0 by weight of potassium chloride
 - about 0.5 – 2.0 by weight of coloring agent